

MATERIAL SAFETY DATA SHEET
REILLY INDUSTRIES, INC

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PRODUCT INFORMATION

*****> PRODUCT INFORMATION <*****

* PRODUCT NAME: P2 Creosote Solution CHEMICAL NAME: Not applicable DOT NUMBER: NA 3082 IMO NUMBER: UN 3082 *
*
S * PRODUCT NUMBER: 975100 CAS NUMBER: 8001-58-9 MOLECULAR WEIGHT: Not applicable *
E *
C * MANUFACTURERS NAME: Reilly Industries, Inc SYNONYMS: Coal Tar Oil, Creosote-Coal Tar Solution *
T *
I * ADDRESS: 300 North Meridian Street CHEMICAL FORMULA: Not applicable *
O * Suite 1500 *
N * Indianapolis Indiana 46204 PRODUCT USE: Pesticide *
*
I * EMERGENCY TELEPHONE NUMBER: 317-247-8141 HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 0 *
*
* SUPPLIER INFORMATION: Reilly Industries, Inc HAZARD CODE(0 = NONE; 1 = SLIGHT; 2 = MODERATE; 3 = SEVERE; 4 = EXTREME) *

HAZARDOUS INGREDIENTS

	HAZARDOUS INGREDIENTS	CAS #	CONCENTRATIONS (%)	EXPOSURE LIMITS		LD 50 (ORAL) / LC 50 * = Mouse All other = Rat
				OSHA PEL	ACGIH TLV	
S	Creosote	8001-58-9	97 to 100	Not established	Not established	725 mg/kg / No data
E	Coal Tar	8007-45-2	0 to 3	Not established	Not established	No data / No data
C						
T						
I	CONTAINS:					
O	Acenaphthene	83-32-9	1.0 to 6.0	Not established	Not established	No data / No data
N	Anthracene	120-12-17	1.0 to 5.0	Not established	Not established	430 mg/kg */ No data
	Methylnaphthalene	1321-94-4	1.0 to 5.0	Not established	Not established	No data / No data
II	Naphthalene	91-20-3	3.0 to 12.0	10.0 ppm	10.0 ppm	490 mg/kg / No data
	Phenanthrene	85-01-8	5.0 to 13.0	Not established	Not established	700 mg/kg */ No data
	Dibenzofuran	132-64-9	1.0 to 5.0	Not established	Not established	No data / No data
	Dimethylnaphthalene	573-98-8	1.0 to 10.0	Not established	Not established	No data / No data
	Biphenyl	92-52-4	1.0 to 5.0	0.2 ppm	0.2 ppm	2140 mg/kg /LC>200 mg/kg
	Coal Tar Pitch Volatiles	65996-93-2	Not applicable	0.2 mg/cu meter	0.2 mg/cu meter	Not available
	(see Sec. IX for others)					

PHYSICAL DATA

*****> PHYSICAL DATA <*****

S * PHYSICAL STATE: SOLID LIQUID X GAS pH: 6 to 8 VAPOR PRESSURE @ 20 C: < 5 mm Hg *
E *
C * ODOR & APPEARANCE: Brown to black oily liquid with FREEZING POINT: Not applicable SPECIFIC GRAVITY: > 1.08 @ 38 C *
T * an aromatic odor *
I * SOLUBILITY (WATER): Insoluble to slightly soluble *
O * ODOR THRESHOLD: Not available DENSITY: 9.1 Lbs./Gal. *
N * EVAPORATION RATE: Not available VAPOR DENSITY: > 1.0 *
* MELTING POINT: Not applicable *
III * COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available *
* BOILING POINT: > 150.0 C *

REACTIVITY DATA

*****> REACTIVITY DATA <*****

S *
E * PHYSICAL (REACTIVITY) HAZARD WARNING: Not applicable STABLE: Yes IF NO, UNDER WHICH CONDITIONS: *
C *
T * INCOMPATIBILITIES: None known *
I *
O * REACTIVE: No IF YES, UNDER WHAT CONDITIONS: *
N *
* HAZARDOUS DECOMPOSITION PRODUCTS: Not applicable *
IV *****

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*=====> FIRE AND EXPLOSION HAZARDS <=====*
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* PHYSICAL HAZARD WARNING: Not Applicable SENSITIVITY TO > STATIC DISCHARGE: No ; MECHANICAL IMPACT: No
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* FLAMMABLE: No IF YES, UNDER WHICH CONDITIONS:
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* FLASHPOINT (METHOD): 222 F PMCC FLAMMABLE LIMITS (% BY VOL.): UEL: Not available LEL: Not available
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* AUTO IGNITION TEMPERATURE: Not available
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* HAZARDOUS COMBUSTION PRODUCTS: Irritating and/or toxic fumes may be released if this material is burned.
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* MEANS OF EXTINCTION: Water Fog, Foam, Carbon Dioxide, Dry Chemical
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* UNUSUAL FIRE/EXPLOSION HAZARDS: Water spray can control unconfined tar fires, but may cause frothing or eruption in closed tanks
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* SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus and full protective equipment, Normal procedures may be used. Skin contact and/or breathing of vapors should be avoided
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*=====> TOXICOLOGICAL PROPERTIES <=====*
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* HEALTH HAZARD WARNINGS: Carcinogen, Irritant, Sensitizer
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* ROUTES OF ENTRY > SKIN CONTACT: X SKIN ABSORPTION: EYE CONTACT: INHALATION: X INGESTION: X
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* EFFECTS OF ACUTE EXPOSURE: Coal tar vapors are irritating to the skin, eyes, and respiratory tract. Direct skin contact and/or high vapor concentrations may cause burning and itching, changes in pigmentation, and skin eruptions. Direct eye contact may cause inflammation, discomfort, conjunctivitis, and possible abrasions of the cornea. In general, acute oral toxicity is considered to be moderate, but ingestion is not likely to be a primary route of exposure. Symptoms of systemic poisoning after ingestion may include salivation, vomiting, respiratory difficulties, dizziness, headache, loss of pupillary reflexes, cyanosis, hypothermia, and mild convulsions
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* IRRITANCY OF PRODUCT: Minor skin irritant SENSITIZATION TO PRODUCT: Causes photosensitization
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* EFFECTS OF CHRONIC EXPOSURE: High vapor concentrations or chronic exposure to levels above the TLV may lead to systemic symptoms (see acute oral toxicity symptoms). Prolonged or repeated contact may lead to dermatitis and with poor hygienic practices, to skin cancer.
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* CARCINOGEN: X REPRODUCTIVE EFFECTS: } BRIEF DESCRIPTION: Prolonged or repeated skin contact, along with poor hygienic practices, may lead to skin cancer. This product has been found to be positive to the ames test for mutagenicity.
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* TERATOGENICITY: MUTAGENICITY: }
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* SYNERGISTIC MATERIALS: None known
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* MEDICAL CONDITIONS AGGRAVATED: Persons with pre-existing skin disorders may be at increased risk from overexposure. Exposure to vapors may aggravate pre-existing lung conditions.
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P2 Creosote Solution

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*=====> FIRST AID MEASURES <=====*
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* SKIN: Wash exposed area twice with waterless hand cleaner, soap and water, or a mild detergent. Do not use solvents on
* skin as they may promote absorption of this material. The exposed area should be examined by medical personnel if
* irritation or pain persists after washing.
*
S * EYE: Flush eyes immediately with large amounts of water for at least 15 minutes, occasionally lifting the eyelids. GET
E * MEDICAL ATTENTION.
C *
T * INHALATION (BREATHING): Remove from exposure area to fresh air immediately. If breathing has stopped, give artificial
I * respiration. Keep affected person warm and at rest. Give oxygen if respiration is shallow. GET
O * MEDICAL ATTENTION.
N *
* INGESTION (SWALLOWING): If conscious, induce vomiting to prevent further absorption. Give oxygen if respiration is
VII * shallow. GET MEDICAL ATTENTION. Do not give anything by mouth to an unconscious person.
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* DECONTAMINATION PROCEDURES: Use emergency shower if available. Remove all contaminated clothing to prevent further
* absorption. Wash all clothing and exposed areas of the body twice with soap and water.
* Leather shoes that have been saturated should be discarded.
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*=====> PREVENTIVE MEASURES <=====*
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* <PERSONAL PROTECTIVE EQUIPMENT> GLOVES (SPECIFY): Impervious rubber. FOOTWEAR (SPECIFY): Impervious boots.
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* EYE (SPECIFY): Chemical goggles or face shield where necessary. CLOTHING (SPECIFY): Impervious suits.
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* RESPIRATORY (SPECIFY): NIOSH approved half-face piece or full-face piece filter/chemical cartridge respirator or full-face
* piece continuous flow, positive pressure air supplied respirator as necessary for protection from
* coal tar pitch volatiles.
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* OTHER (SPECIFY): Application of certain protective creams for coal tar products and sunscreens (SPF at least 15) before
* and during work may be beneficial in reducing the risk of overexposure.
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* PERSONAL HYGIENE PRACTICES: Contact lenses should not be worn when handling this material. Do not smoke or eat in areas
* where this material is handled. Wash hands thoroughly before eating or smoking. A complete
* soap and water shower should be taken at the end of each work day. Contaminated work clothes
* should not be reworn until cleaned.
S *
E * ENGINEERING CONTROLS: All operations should be conducted in well-ventilated conditions. Local exhaust ventilation should
C * be provided.
T *
I * LEAK AND SPILL PROCEDURE: Remove all ignition sources. Ventilate area of spill or leak. For small spills use suitable
O * absorbent material and collect for later disposal. For large spills the area may require diking
N * to contain the spill. Material can then be collected for later disposal. Wear protective
* equipment during clean-up. After collection of material flush area with water.
VIII *
* WASTE DISPOSAL METHOD: Dispose of the material in accordance with standard practice for disposal of potentially hazardous
* materials as required by applicable federal, state or local laws. Wear protective equipment as
* necessary.
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* HANDLING PROCEDURES AND EQUIPMENT: Wear protective equipment when performing maintenance on contaminated equipment.
* Protect containers against physical damage.
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* STORAGE REQUIREMENTS: Outside or detached storage is preferable. Inside storage should be in standard flammable liquids
* storage room or cabinet if material is flammable or combustible.
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* SPECIAL SHIPPING INFORMATION: DOT: Other Regulated Substance, Liquid, NOS, 9, NA 3082, PG III, RQ, (Contains Coal Tar &
* Creosote), Marine Pollutant.
* IMO: Environmentally Hazardous Substance, Liquid, NOS, Class 9, UN 3082, PG III, RQ,
* (Contains Coal Tar & Creosote), Marine Pollutant.
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P2 Creosote Solution

*****> ADDITIONAL COMMENTS <*****

* The compound is considered a carcinogen or potential carcinogen under the requirements specified by OSHA 29 CFR 1910.1200 paragraph d-4. Coal tar pitch volatiles, soots, tars, and oils are listed as a carcinogenic category by OSHA, the National Toxicology Program, and the International Agency for Research on Cancer.

* This product contains the following substances considered by the State of California as known to cause cancer; Benz(a)anthracene; Benzene; Benzo(b)fluoranthene; Benzo(j)fluoranthene; Benzo(k)fluoranthene; Benzo(a)pyrene; Dibenz(a,h)acridine; Dibenz(a,j)acridine; Dibenz(a,h)anthracene; 7H-Dibenzo(c,g)carbazole; Dibenzo(a,e)pyrene; Dibenzo(a,h)pyrene; Dibenzo(a,i)pyrene; Dibenzo(a,l)pyrene, Indenol(1,2,3-cd)pyrene; Creosote; Chrysene.

* (cont. from Section II) Also contains Fluorene [CAS# 86-73-7] @ 1-5%; Carbazole [CAS# 86-74-8] @ 1-2%; Mixed Cresols [CAS# 108-39-7, 95-48-7, 106-44-5] @ 0.5-1%; various Xylenols @ 0-1%; Fluoranthene [CAS#206-44-0] @ 0-1%; Phenol [CAS# 108-95-2] @ 0-1%; and Benzene [CAS# 71-43-2] @ 0-1%.

* SECTION 313 SUPPLIER NOTIFICATION> this product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

Based upon the criteria set forth in section 34 through 36 of the Controlled Products Regulations of Canada this Product is classified as:

Class B, Division 3: Combustible Liquid

Class D, Division 2, Subdivision A: Very Toxic Material

CAS #	CHEMICAL NAME	% BY WEIGHT
8001-58-9	Creosote	98.0

***** ADDITIONAL SHIPPING INFORMATION: *****

Hazardous Materials Guide Number: 31
IMDG pg. 9028
Hazardous Materials Code: DOT: 49-412-04; IMO: 49-601-88

***** DOT DESCRIPTIONS FOR ELEVATED TEMPERATURE SHIPMENTS: *****

Not applicable.

Reportable Quantity information:

RQ for creosote is 0.1 gallons (1 lb.).

PRECAUTIONARY STATEMENT: Personnel should avoid inhalation of vapors and personal contact with compound. Do not get the compound in the eyes or skin. When handling, this compound must be kept away from all sources of ignition. Have respirator available. May be harmful if swallowed or inhaled in large amounts. Please note that the information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

*****> PREPARATION INFORMATION <*****

Prepared under the direction of Paul M. Rivers Ph.D., Director of Corporate Environmental Affairs
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